

## FIGURE 1

Arabidopsis_ (gi_ 3935185)	MKK-----I-SSHYSVVIAIIVVVVMTSMCQAVGSN-----VYPLILVPGNGGNQLEVR
corn_ (SEQ ID NO: 2)	MAR-IPOVIAPLLLLPLPAGLR--ELMDRRRPLPKRCRREVLHPLVLVPGLTCSEI.DAR
corn_ (SEQ ID NO: 4)	MVHDMA-----CSRGGTIVLVSKEASTTRRAPKQ-----LPPVVVVPGYATNELDAR
corn_ (SEQ ID NO: 6)	MASSLLQQILLSLLLPSPLRLREHLSGNHAVSAN-----NFHPIFLVAGVSCSDLEAR
soybean_ (SEQ ID NO: 8)	MKKEQEEGL-KIEVATLTVTVVVVVMLLCTCGASN-----LDPLILIPGNGGNQLEAR
Arabidopsis_ (gi_ 3935185)	LDREYKPKSSVWCSSWLYPIHKKSGGWFRLLWFDAAVLLSPFT-RCFSDRMMLYYDPDLDY
corn_ (SEQ ID NO: 2)	ITDAYRPFRAACDE-----GEGLVLWLNCSDLPAHHYVRCFMEQMALVYDPVANDY
corn_ (SEQ ID NO: 4)	LTELYHPSSPRCA-----HKGKGWFRLYLNNTALEDAAADVRCFAEQMATAYDAASDDY
corn_ (SEQ ID NO: 6)	LTTEYRPSVPHCGA-----MKKGKGWFGWLWKNSELLSRSRDYVQCFFEEQMSLVLVYDPAINEY
soybean_ (SEQ ID NO: 8)	LTNQYKPKSTFICESW-YPLIKKKNGWFRLLWEDSSVILAPFT-QCFAERMTLHYHQELDDY
Arabidopsis_ (gi_ 3935185)	QNAPGVQTRVPHFGSTKSLLYLDPLRLDATSYMEHLVKALEKKCGYVNDQFILL
corn_ (SEQ ID NO: 2)	RNLPGVETVRVNFSSSRGF-QKNPEHTTWSWCFEVLRNELARA-GYRDGDTLF
corn_ (SEQ ID NO: 4)	RNAQGVETRVPFEGSTRAFRYPDPDRRNF-SYMDKFVSRLERL-AYRDGENLF
corn_ (SEQ ID NO: 6)	RNLAGVETRVVPNFGSTRAFSHKNPLKSD--WCLGKLRAALEDM-GYRDGDTMF
soybean_ (SEQ ID NO: 8)	ENTPGVETRVPHFGSTNSLLYLNPRLKHTGYMAPLVDSLQKL-GYADGETLF
Arabidopsis_ (gi_ 3935185)	GLAASGHPSRVAQFLQDLKQLOVEKTSSNEGKPVILLS
corn_ (SEQ ID NO: 2)	APPVPGQPSRSSPATSVGWPSSLVEDAQRKNRGRKVLFG
corn_ (SEQ ID NO: 4)	AVAPPGHPSRVADEAFFGRLLRVERASRANGGGPVTTIVA
corn_ (SEQ ID NO: 6)	APPSPGQTSEVYSSYRFKELMELVEAASERTR-KKAVILL
soybean_ (SEQ ID NO: 8)	GLAAEGHPSQVGSKFLDKNLIEEASNNSNNNGKPVILLS
Arabidopsis_ (gi_ 3935185)	RKYIKHFAVALAAPW-GGTISQMKTFASGNTLG-VPLVNPL--LVRRHQRTSESNQWLLPS
corn_ (SEQ ID NO: 2)	DRYIKHLLFLVAPVPAEGFVVKPLQYFVSGSNLMLYVPTVSSLEPAFRPMWRTFESSLVNFPS
corn_ (SEQ ID NO: 4)	RRFVRRFVPPVAAPW-GGVVILGMLTIVAGNNLG-LPEVDFPL--ALKGEYRSLSQSSLWPLPN
corn_ (SEQ ID NO: 6)	REHIERLVLVAPTLPGGFFLEPVRNFAASGTDILYVPAATTPLAT--RAMWRSSESAIVNFPSS
soybean_ (SEQ ID NO: 8)	KKFIKHFIALSAPW-GGAIDEMYTEASGNTLG-VPLVDFPL--LVRDEQRSSSESNLWLLPN

## FIGURE 1

Arabidopsis (gi 3935185)	TKVFHDRTKPLVVTPQVNNTA--YEMDRFFADIGFSQGVVPYKTRVLPLTEELMTPGVPV	KQPEIK-	ASLAAL-----KVDS-LN
corn_(SEQ ID NO: 2)	PAVFGR--RPLVVTTARRNSA--YDLEDLLVAVGYGAGVEPFRRRAVPKMSYFQAPMVPT	ATPEIV-	VSMIAFDEKMRROPEQNKVYK
corn_(SEQ ID NO: 4)	PNAFRA-GQLVTTTSRTYTA--HDMADFLDAIGLGAIAVYQSRVLPLERELPSPRV	VTPMMV-	VSSLAVDP-AWRLPTA-Y-FR
corn_(SEQ ID NO: 6)	PAVFGRQLQAPLVVTRERNYSASAHDMERELAAGSGEAAEPFRRRAVPKMGSEAA	AAPEVAA	ISVLAFEKEMRROPEQKKQFK
soybean_(SEQ ID NO: 8)	PKIF-GPQKPIVITPIRPSA--HDMVDFLKDIGFPEGVYPIETRILPLIGNIKAPQVPI	ERPEIS-	VSSLALQS-LWKEEKNQY-LK
Arabidopsis (gi 3935185)	TCIY		
corn_(SEQ ID NO: 2)	TCMN		
corn_(SEQ ID NO: 4)	ACVV		
corn_(SEQ ID NO: 6)	TYIS		
soybean_(SEQ ID NO: 8)	TCIM		
Arabidopsis (gi 3935185)	TVEIDGVSHTSILKDEIALKEIMKOISIINY--ELANVNAVNE		
corn_(SEQ ID NO: 2)	SIKIRGAQHGTIVTDDTALKRMHEILEANR-----S		
corn_(SEQ ID NO: 4)	MLKVRNVSHTGLFVDDAALAVIISAI-----L		
corn_(SEQ ID NO: 6)	SIKINKAQHSTIVTDDFALHRVQEIVEANNQK-----IPS		
soybean_(SEQ ID NO: 8)	VVKIDGVSHTSILKDEVALNEIVGEITSINSHAEGLGSNLFG		